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The Law Offices of Jonathan Alan Quine

By

  
Evelyn Gomez

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**DEC 18 2001**

**TC 1700**

Attorney Docket No. 01-051710US  
Client Ref. No. 100/09010US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Andrea W. Chow, *et al.*

Application No.: 09/922,224

Filed: August 2, 2001

For: METHODS AND DEVICES FOR  
HIGH THROUGHPUT FLUID  
DELIVERY

Examiner: Unassigned

Art Unit: 1743

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR § 1.97 and  
§ 1.98

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 50-0893. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Christopher C. Sappenfield  
Reg. No. 45,073

THE LAW OFFICES OF JONATHAN ALAN QUINE  
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CCS: emg

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(Modified) PTO/SB/21 (6-98)  
Approved for use through 09/30/2000. OMB 0651-0031  
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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/922,224
Filing Date	August 2, 2001
First Named Inventor	Andrea W. Chow
Group Art Unit	1743
Examiner Name	Unassigned
Attorney Docket Number	01-051710US

Total Number of Pages in This Submission

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	PTO-form 1449, Cited References and receipt acknowledgment postcard
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### Authorization to Charge Deposit Account

Please charge Deposit Account No. 50-0893 for any additional fees associated with this paper or during the pendency of this application, including any extensions of time for consideration of the documents enclosed.

Remarks

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Christopher C. Sappenfield Reg. No. 45,073 The Law Offices of Jonathan Alan Quine
Signature	<i>John Sappenfield</i>
Date	November 2, 2001

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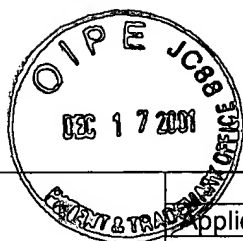


<b>Substitute for form 1449A-B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Complete if Known</b>	
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U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Claims, Where Relevant Paragraphs or Relevant Figures Appeared
		Number	Kind Code (if known)			
	AA	4,390,403		Batchelder	06-28-1983	
	AB	4,908,112		Pace	03-13-1990	
	AC	5,126,022		Soane et al.	06-30-1992	
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	AK	5,637,469		Wilding et al.	06-10-1997	
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	AM	5,750,015		Soane et al.	05-12-1998	
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	AS	5,876,675		Kennedy	03-02-1999	
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	BA	5,958,203		Parce et al.	09-28-1999	
Examiner Signature				Date Considered		

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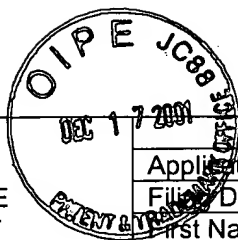
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	BB	5,958,694		Nikiforov	09-28-1999	RECEIVED DEC 18 2001 TC 1700
	BC	5,959,291		Jensen	09-28-1999	
	BD	5,964,995		Nikiforov et al.	10-12-1999	
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	BS	6,080,295		Parce et al.	06-27-2000	
	BT	6,156,181		Parce et al.	12-05-2000	

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Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	BU	WO	96/04547		Lockheed Martin	02-15-1996		
	BV	WO	97/02357		Affymetrix, Inc.	01-23-1997		
	BW	WO	98/00231		Parce et al.	01-08-1998		
	BX	WO	98/00705		Parce et al.	01-08-1998		
	BY	WO	98/00707		Chow, et al.	01-08-1998		
	BZ	WO	98/02728		Parce	01-22-1998		
	CA	WO	98/05424		Chow, Calvin Y., H.	02-12-1998		

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	CB	WO	98/22811		Parce et al.	05-28-1998		
	CC	WO	98/45481		Knapp et al.	10-15-1998		
	CD	WO	98/45929		Nikiforov et al.	10-15-1998		
	CE	WO	98/46438		Parce et al.	10-22-1998		
	CF	WO	98/49548		Dubrow et al.	11-05-1998		
	CG	WO	98/55852		Sundberg et al.	12-10-1998		
	CH	WO	98/56956		Kopt-Sill et al.	12-17-1998		
	CI	WO	99/00649		Jensen	01-07-1999		
	CJ	WO	99/10735		Chow et al.	03-04-1999		
	CK	WO	99/12016		Chow	03-11-1999		
	CL	WO	99/16162		Parce	04-01-1999		
	CM	WO	99/19516		Nikiforov	04-22-1999		
	CN	WO	99/19056		Kopf-Sill et al.	04-22-1999		
	CO	WO	99/29497		Kennedy	06-17-1999		
	CP	WO	99/56954		Caliper Technologies Corp.	11-11-1999		
	CQ	WO	00/09753		Caliper Technologies Corp.	02-24-2000		
	CR	WO	01/14064		Caliper Technologies Corp.	03-01-2001		

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	CS	COHEN, C.B. et al., "A Microchip-Based Enzyme Assay for Protein Kinase A," <u>Anal. Chem.</u> (1999) 273:89-97		
	CT	DASGUPTA, P.K. et al., "Electroosmosis: A Reliable Fluid Propulsion System for Flow Injection Analysis," <u>Anal. Chem.</u> (1994) 66:1792-1798		
	CU	JACOBSON, S.C. et al., "Fused Quartz Substrates for Microchip Electrophoresis," <u>Anal. Chem.</u> (1995) 67:2059-2063		
	CV	MANZ, A. et al., "Electroosmotic pumping and electrophoretic separations for miniaturized		

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		CWchemical analysis systems," <u>J. Micromech. Microeng.</u> (1994) 4:257-265	
	CW	RAMSEY, J.M. et al., "Microfabricated chemical measurement systems," <u>Nature Med.</u> (1994) 1:1093-1096	
	CX	SEILER, K. et al., "Planar Glass Chips for Capillary Electrophoresis: Repetitive Sample Injection, Quantitation, and Separation Efficiency," <u>Anal. Chem.</u> (1993) 65:1481-1488	
	CY	SEILER, K. et al., "Electroosmotic Pumping and Valveless Control of Fluid Flow Within a Manifold of Capillaries on a Glass Chip," <u>Anal. Chem.</u> (1994) 66:3485-3491	
	CZ	SUNDBERG, S. A., "High-throughput and ultra-high-throughput screening: solution – and cell- based approaches," <u>Current Opinions in Biotechnology</u> 2000, 11:47-53	

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